



April 18, 2007

Ms. Marcia Porter
Idaho Department of Health and Welfare
Division of Environmental Quality
1410 North Hilton
Boise, Idaho 83706

RECEIVED

APR 20 2007

DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF ENVIRONMENTAL QUALITY
1410 NORTH HILTON
BOISE, IDAHO 83706

Re: Sinclair Boise Products Terminal (Sinclair)
Sinclair Transportation Company
Facility ID No. 001-00112
Tier 2 Operating Permit No. T2-030029
Transmittal of Tier 2 Operating Permit Application Renewal, Rev. #1

Ms. Porter:

Per our telephone conversation on April 18, 2007, Sinclair is resubmitting its Tier 2 operating permit application renewal for the Sinclair Boise Products Terminal facility. Please replace the original application renewal (dated April 6, 2007) with this revision, denoted as Rev. #1. This revision is intended to replace the entire April 6, 2007 submittal.

Sinclair is currently operating under the provisions of its Tier 2 operating permit, as revised on October 8, 2004, which expires on November 18, 2007. With this correspondence, Sinclair is formally submitting its application to renew the Tier 2 permit for this facility.

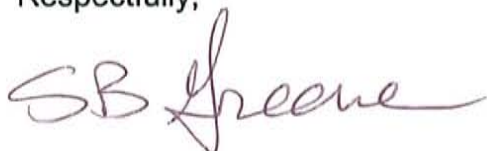
In compiling this operating permit application renewal, Sinclair is using the same format used for previous operating permit applications for this facility. Because there is no specific guidance for Tier 2 operating permit application content, Sinclair has used the requirements of IDAPA 58.01.01.314 of Rules for the Control of Air Pollution in Idaho as guidance in compiling this application. Sinclair believes this format is acceptable to the Division.

Please note there are no substantial changes contained in this permit application, compared to the previous permit application, with exception of removal of the Loading Rack (EU #11) and Prover Tank (EU#10) from service and requesting permission to use ASTM D-7039-04 Standard Test Method for Sulfur in Gasoline and Diesel Fuel by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry to determine the sulfur content of gasoline and diesel fuels. In general, Sinclair believes the provisions listed in the current Tier 2 permit accurately reflect the applicable requirements for this

facility.

Sinclair believes this Tier 2 operating permit application renewal is accurate, timely and complete and therefore requests the Division grant an operating permit application shield. Sinclair appreciates the assistance of the Division in facilitating this permit renewal. Should you have any questions regarding the information in this application, please call me at (801) 524-2729.

Respectfully,

A handwritten signature in purple ink that reads "SB Greene". The signature is fluid and cursive, with the initials "SB" being prominent.

Samuel B. Greene P.E.
Corporate Environmental Engineer

attachment

cc: Mark Peterson w/o/a
Rex Hauser

Sinclair Boise Products Terminal
Sinclair Transportation Company
Facility ID No. 001-00112
Tier 2 Operating Permit No. T2-030029
Transmittal of Tier 2 Operating Permit Application Renewal
April 18, 2007, Rev. #1

TIER 2 OPERATING PERMIT APPLICATION - RENEWAL
SINCLAIR BOISE PRODUCTS TERMINAL
SINCLAIR TRANSPORTATION COMPANY

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1.0 INTRODUCTION

Sinclair Transportation Company (Sinclair) operates a petroleum products receipt, storage and distribution facility located in Boise, Idaho. This facility is currently operating under the provisions of Tier 2 Operating Permit # 001-00112 which established product throughput limitations in order to achieve area source (ie. minor source) status for Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAP).

Operating Permit # 001-00112 expires on November 18, 2007. This renewal application is submitted to the Division in order to renew the provisions of Operating Permit # 001-00112.

This permit application has been written to present all information required by the Division necessary to support a Tier 2 operating permit renewal. The application is divided into the following chapters:

Chapter 2.0: Contains the Tier 2 Operating Permit application forms required by the Division.

Chapter 3.0: Contains the general information for the facility.

Chapter 4.0: Provides information on emissions units.

Chapter 5.0: Describes excess emissions procedures.

Chapter 6.0 Lists insignificant activities.

Chapter 7.0: Addresses the regulatory requirements for this facility.

2.0 PERMIT APPLICATION FORMS

The Tier 2 operating permit application forms for the Emissions Units (EU) listed in Table 2.1 are presented in this chapter.

Table 2.1 Listing of Emissions Units

EU #	Description
1	Tank 401
2	Tank 404
3	Tank 411
4	Tank 421
5	Tank 431
6	Tank 402
7	Tank 405
8	Tank 406
9	Transmix Tank 400
12	Fugitive Emissions
13	Soil Vapor Extraction System

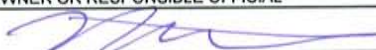
Note: EU # 10 (Prover Tank) and EU # 11 (Loading Rack) have been permanently removed from service.

SECTION 1: GENERAL INFORMATION

COMPANY & DIVISION NAME	SINCLAIR TRANSPORTATION COMPANY, SINCLAIR BOISE PRODUCTS TERMINAL Tier 2 Renewal, Rev. #1 4/18/07		
STREET ADDRESS OR P.O. BOX	712 North Curtis		
CITY	Boise		
STATE	ID	ZIP	83706
PERSON TO CONTACT	Samuel B. Greene P.E.		
TITLE	Corporate Environmental Engineer		
PHONE NUMBER	(801) 524-2729		
EXACT PLANT LOCATION	S-8, T-3N, R-2E		
GENERAL NATURE OF BUSINESS	Petroleum products receipt, storage and distribution		
NUMBER OF FULL-TIME EMPLOYEES	1		
PROPERTY AREA (ACRES)	Approx. 10	REASON FOR APPLICATION	7
		(1) Permit to Construct a new facility; (2) Permit to Modify an existing source; (3) Permit to Construct a new source at an existing facility; (4) Change of Owner or Location; (5) Tier I Permit to Operate; (6) Tier II Permit to Operate (7) Tier II Permit to Operate - Application Renewal	
DISTANCE TO NEAREST STATE BORDER (MILES)	50		
PRIMARY SIC	5171	SECONDARY SIC	5171
PLANT LOCATION COUNTY	Ada	ELEVATION (FT)	2710
UTM ZONE	11		
UTM (X) COORDINATE (KM)	560.463	UTM (Y) COORDINATE (KM)	4828.63
NAME OF FACILITIES	LOCATION OF OTHER FACILITIES		
List all facilities within the state that are under your control, or under common control, and have emissions to the air. If none, so state			
Sinclair Burley Products Terminal	425 East Hwy. 81 Burley, ID 83318 Cassia County		
Sinclair Boise Products Terminal	712 North Curtis Boise, ID 83706 Ada County		
OWNER OR RESPONSIBLE OFFICIAL	Mark Petersen		
TITLE OF RESPONSIBLE OFFICIAL	Vice President Sinclair Transportation Company		

Based on information and belief formed after reasonable inquiry, I certify the statements and information in this document are true, accurate, and complete.

SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL



DATE

4/19/07

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	EU#1 (TK #401), EU#2 (TK #404), EU#3 (TK #411), EU#4 (TK #421) Tier 2 Renewal, Rev. #1 4/18/07				
STACK DESCRIPTION	<input type="text" value="N/A"/>				
BUILDING DESCRIPTION	<input type="text" value="N/A"/>				
MANUFACTURER	<input type="text" value="N/A"/>	MODEL	<input type="text" value="Ext. Floating Roof"/>	DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1952"/>

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	ACTUAL ANNUAL RATE	UNITS
INPUT	<input type="text" value="Gasoline"/>	<input type="text" value="65,100"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="gal"/>
PRODUCT OUTPUT	<input type="text" value="Gasoline"/>	<input type="text" value="65,100"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="gal"/>
WASTE OUTPUT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
RECYCLE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

POTENTIAL HAPS IN PROCESSING STREAMS

PS DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
<input type="text" value="Benzene"/>	<input type="text" value="71-43-2"/>	<input type="text" value="0-.04250"/>	<input type="text" value="0-.04250"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Hexane"/>	<input type="text" value="110-54-3"/>	<input type="text" value="0-.0350"/>	<input type="text" value="0-.0350"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Xylenes (mixed isomers)"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="0-.1777"/>	<input type="text" value="0-.1777"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Toluene"/>	<input type="text" value="108-88-3"/>	<input type="text" value="0-.2180"/>	<input type="text" value="0-.2180"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Ethylbenzene"/>	<input type="text" value="100-41-4"/>	<input type="text" value="0-.02860"/>	<input type="text" value="0-.02860"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Naphthalene"/>	<input type="text" value="91-20-3"/>	<input type="text" value="0-.0064"/>	<input type="text" value="0-.0064"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Trimethylpentane (2,2,4)"/>	<input type="text" value="540-84-1"/>	<input type="text" value="0-.08432"/>	<input type="text" value="0-.08432"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Isopropyl Benzene"/>	<input type="text" value="98-82-8"/>	<input type="text" value="0-.0025"/>	<input type="text" value="0-.0025"/>	<input type="text"/>	<input type="text"/>

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="EU#1 (TK #401), EU#2 (TK #404), EU#3 (TK #411), EU#4 (TK #421) Tier 2 Renewal, Rev. #1 4/18/07"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="N/A"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1952"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Gasoline"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="840,000"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="58.3 E 6"/>
TANK TYPE	<input type="text" value="2"/>	SOURCE	<input type="text" value="1"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING;		(05) OTHER <input type="text"/>	
(06) OTHER <input type="text"/>			

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text" value="N/A"/>	TANK SURFACE AREA (SQ. FT)	<input type="text" value="See Tanks 4.0.9.d"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text" value="N/A"/>	METHOD OF VAPOR RECOVERY	<input type="text" value="6"/>
		Please choose from below:	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other <input type="text"/>	

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="L"/>	NUMBER OF PUMP SEALS	<input type="text" value="0"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="0"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="10"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="0"/>	NUMBER OF FLANGES	<input type="text" value="26"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="0"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="4"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="Benzene"/>	<input type="text" value="71-43-2"/>	<input type="text" value="0-04250"/>
<input type="text" value="Hexane"/>	<input type="text" value="110-54-3"/>	<input type="text" value="0-0350"/>
<input type="text" value="Xylenes (mixed isomers)"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="0-1777"/>
<input type="text" value="Toluene"/>	<input type="text" value="108-88-3"/>	<input type="text" value="0-2180"/>
<input type="text" value="Ethylbenzene"/>	<input type="text" value="100-41-4"/>	<input type="text" value="0-02860"/>
<input type="text" value="Naphthalene"/>	<input type="text" value="91-20-3"/>	<input type="text" value="0-0064"/>
<input type="text" value="Trimethylpentane (2,2,4)"/>	<input type="text" value="540-84-1"/>	<input type="text" value="0-08432"/>
<input type="text" value="Isopropyl Benzene"/>	<input type="text" value="98-82-8"/>	<input type="text" value="0-0025"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART B

EU#1 (TK #401), EU#2 (TK #404), EU#3 (TK #411), EU#4 (TK #421) Tier 2 Renewal, Rev. #1 4/19/07

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	N/A
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING LENGTH (FT)	
BUILDING WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	N/A
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO ₂							
CO							
NO _x							
VOC		Tanks 4.0.9.d	0	2.96	2.96	12.96	Tanks 4.0.9.d
LEAD							
Benzene	71-43-2	Tanks 4.0.9.d	0	1.669E-02	1.669E-02	7.312E-02	Tanks 4.0.9.d
Hexane	110-54-3	Tanks 4.0.9.d	0	2.642E-02	2.642E-02	1.157E-01	Tanks 4.0.9.d
Xylenes (mixed isomers)	1330-20-7	Tanks 4.0.9.d	0	9.720E-03	9.720E-03	4.258E-02	Tanks 4.0.9.d
Toluene	108-88-3	Tanks 4.0.9.d	0	2.527E-02	2.527E-02	1.107E-01	Tanks 4.0.9.d
Ethylbenzene	100-41-4	Tanks 4.0.9.d	0	2.016E-03	2.016E-03	8.830E-03	Tanks 4.0.9.d
Naphthalene	91-20-3	Tanks 4.0.9.d	0	2.968E-05	2.968E-05	1.300E-04	Tanks 4.0.9.d
Trimethylpentane (2,2,4)	540-84-1	Tanks 4.0.9.d	0	6.941E-03	6.941E-03	3.040E-02	Tanks 4.0.9.d
Isopropyl Benzene	98-82-8	Tanks 4.0.9.d	0	1.233E-04	1.233E-04	5.400E-04	Tanks 4.0.9.d

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="EU#5 (TK #431) Tier 2 Renewal, Rev. #1 4/18/07"/>				
STACK DESCRIPTION	<input type="text" value="N/A"/>				
BUILDING DESCRIPTION	<input type="text" value="N/A"/>				
MANUFACTURER	<input type="text" value="N/A"/>	MODEL	<input type="text" value="Ext. Floating Roof"/>	DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1952"/>

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	ACTUAL ANNUAL RATE	UNITS
INPUT	<input type="text" value="Gasoline"/>	<input type="text" value="65,100"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="gal"/>
PRODUCT OUTPUT	<input type="text" value="Gasoline"/>	<input type="text" value="65,100"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="gal"/>
WASTE OUTPUT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
RECYCLE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

POTENTIAL HAPS IN PROCESSING STREAMS

PS DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
<input type="text" value="Benzene"/>	<input type="text" value="71-43-2"/>	<input type="text" value="0-.04250"/>	<input type="text" value="0-.04250"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Hexane"/>	<input type="text" value="110-54-3"/>	<input type="text" value="0-.0350"/>	<input type="text" value="0-.0350"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Xylenes (mixed isomers)"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="0-.1777"/>	<input type="text" value="0-.1777"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Toluene"/>	<input type="text" value="108-88-3"/>	<input type="text" value="0-.2180"/>	<input type="text" value="0-.2180"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Ethylbenzene"/>	<input type="text" value="100-41-4"/>	<input type="text" value="0-.02860"/>	<input type="text" value="0-.02860"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Naphthalene"/>	<input type="text" value="91-20-3"/>	<input type="text" value="0-.0064"/>	<input type="text" value="0-.0064"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Trimethylpentane (2,2,4)"/>	<input type="text" value="540-84-1"/>	<input type="text" value="0-.08432"/>	<input type="text" value="0-.08432"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Isopropyl Benzene"/>	<input type="text" value="98-82-8"/>	<input type="text" value="0-.0025"/>	<input type="text" value="0-.0025"/>	<input type="text"/>	<input type="text"/>

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="EU#5 (TK #431) Tier 2 Renewal, Rev. #1 4/18/07"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="N/A"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1952"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Gasoline"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="3,336,000"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="58.3 E 6"/>
TANK TYPE	<input type="text" value="2"/>	SOURCE	<input type="text" value="1"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING;		(05) OTHER <input type="text"/>	
(06) OTHER <input type="text"/>			

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text" value="N/A"/>	TANK SURFACE AREA (SQ. FT)	<input type="text" value="See Tanks 4.0.9.d"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text" value="N/A"/>	METHOD OF VAPOR RECOVERY	<input type="text" value="6"/>
		Please choose from below:	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other <input type="text"/>	

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="L"/>	NUMBER OF PUMP SEALS	<input type="text" value="0"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="0"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="15"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="0"/>	NUMBER OF FLANGES	<input type="text" value="16"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="0"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="3"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="Benzene"/>	<input type="text" value="71-43-2"/>	<input type="text" value="0-.04250"/>
<input type="text" value="Hexane"/>	<input type="text" value="110-54-3"/>	<input type="text" value="0-.0350"/>
<input type="text" value="Xylenes (mixed isomers)"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="0-.1777"/>
<input type="text" value="Toluene"/>	<input type="text" value="108-88-3"/>	<input type="text" value="0-.2180"/>
<input type="text" value="Ethylbenzene"/>	<input type="text" value="100-41-4"/>	<input type="text" value="0-.02860"/>
<input type="text" value="Naphthalene"/>	<input type="text" value="91-20-3"/>	<input type="text" value="0-.0064"/>
<input type="text" value="Trimethylpentane (2,2,4)"/>	<input type="text" value="540-84-1"/>	<input type="text" value="0-.08432"/>
<input type="text" value="Isopropyl Benzene"/>	<input type="text" value="98-82-8"/>	<input type="text" value="0-.0025"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART B

EU#5 (TK #431) Tier 2 Renewal, Rev. #1 4/18/07

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	N/A
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING LENGTH (FT)	
BUILDING WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	N/A
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC		Tanks 4.0.9.d	0	3.17	3.17	13.88	Tanks 4.0.9.d
LEAD							
Benzene	71-43-2	Tanks 4.0.9.d	0	1.774E-02	1.774E-02	7.770E-02	Tanks 4.0.9.d
Hexane	110-54-3	Tanks 4.0.9.d	0	2.820E-02	2.820E-02	1.235E-01	Tanks 4.0.9.d
Xylenes (mixed isomers)	1330-20-7	Tanks 4.0.9.d	0	9.072E-03	9.072E-03	3.974E-02	Tanks 4.0.9.d
Toluene	108-88-3	Tanks 4.0.9.d	0	2.609E-02	2.609E-02	1.143E-01	Tanks 4.0.9.d
Ethylbenzene	100-41-4	Tanks 4.0.9.d	0	1.938E-03	1.938E-03	8.490E-03	Tanks 4.0.9.d
Naphthalene	91-20-3	Tanks 4.0.9.d	0	1.712E-05	1.712E-05	7.500E-05	Tanks 4.0.9.d
Trimethylpentane (2,2,4)	540-84-1	Tanks 4.0.9.d	0	7.296E-03	7.296E-03	3.196E-02	Tanks 4.0.9.d
Isopropyl Benzene	98-82-8	Tanks 4.0.9.d	0	1.084E-04	1.084E-04	4.750E-04	Tanks 4.0.9.d

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="EU#6 (TK #402), EU#7 (TK #405), EU#8 (TK #406) Tier 2 Renewal, Rev. #1 4/18/07"/>				
STACK DESCRIPTION	<input type="text" value="N/A"/>				
BUILDING DESCRIPTION	<input type="text" value="N/A"/>				
MANUFACTURER	<input type="text" value="N/A"/>	MODEL	<input type="text" value="Cone Roof"/>	DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1952"/>

PROCESSING DATA					
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	ACTUAL ANNUAL RATE	UNITS
INPUT	<input type="text" value="Distillate Fuel Oil"/>	<input type="text" value="58,800"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="gal"/>
PRODUCT OUTPUT	<input type="text" value="Distillate Fuel Oil"/>	<input type="text" value="58,800"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="gal"/>
WASTE OUTPUT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
RECYCLE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

POTENTIAL HAPS IN PROCESSING STREAMS						
PS DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT	
<input type="text" value="Benzene"/>	<input type="text" value="71-43-2"/>	<input type="text" value="0-.00003"/>	<input type="text" value="0-.00003"/>	<input type="text"/>	<input type="text"/>	
<input type="text" value="Xylenes (mixed isomers)"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="0-.00082"/>	<input type="text" value="0-.00082"/>	<input type="text"/>	<input type="text"/>	
<input type="text" value="Toluene"/>	<input type="text" value="108-88-3"/>	<input type="text" value="0-.00019"/>	<input type="text" value="0-.00019"/>	<input type="text"/>	<input type="text"/>	
<input type="text" value="Naphthalene"/>	<input type="text" value="91-20-3"/>	<input type="text" value="0-.00170"/>	<input type="text" value="0-.00170"/>	<input type="text"/>	<input type="text"/>	

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="EU#6 (TK #402), EU#7 (TK #405), EU#8 (TK #406) Tier 2 Renewal, Rev. #1 4/18/07"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="N/A"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1952"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Distillate Fuel Oil"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="840,000"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="168.6 E 6"/>
TANK TYPE	<input type="text" value="1"/>	SOURCE	<input type="text" value="1"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING;		(05) OTHER	
(06) OTHER <input type="text"/>		<input type="text"/>	

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text" value="N/A"/>	TANK SURFACE AREA (SQ. FT)	<input type="text" value="See Tanks 4.0.9.d"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text" value="N/A"/>	METHOD OF VAPOR RECOVERY	<input type="text" value="6"/>
		Please choose from below:	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other <input type="text"/>	

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="H"/>	NUMBER OF PUMP SEALS	<input type="text" value="0"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="0"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="11"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="2"/>	NUMBER OF FLANGES	<input type="text" value="12"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="0"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="5"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="Benzene"/>	<input type="text" value="71-43-2"/>	<input type="text" value="0-.00003"/>
<input type="text" value="Xylenes (mixed isomers)"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="0-.00082"/>
<input type="text" value="Toluene"/>	<input type="text" value="108-88-3"/>	<input type="text" value="0-.00019"/>
<input type="text" value="Naphthalene"/>	<input type="text" value="91-20-3"/>	<input type="text" value="0-.00170"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART B

EU#6 (TK #402), EU#7 (TK #405), EU#8 (TK #406) Tier 2 Renewal, Rev. #1 4/18/07

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER

PRIMARY

SECONDARY

TYPE	N/A	N/A
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATASTACK DATA

ENCLOSED? (Y/N)	N/A	GROUND ELEVATION (FT)	N/A
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)	
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)	
		STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS		
					(LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO ₂							
CO							
NO _x							
VOC		Tanks 4.0.9.d	0	0.11	0.11	0.49	Tanks 4.0.9.d
LEAD							
Benzene	71-43-2	Tanks 4.0.9.d	0	trivial	trivial	trivial	Tanks 4.0.9.d
Xylenes (mixed isomers)	1330-20-7	Tanks 4.0.9.d	0	1.758E-03	1.758E-03	7.700E-03	Tanks 4.0.9.d
Toluene	108-88-3	Tanks 4.0.9.d	0	1.584E-03	1.584E-03	6.940E-03	Tanks 4.0.9.d
Naphthalene	91-20-3	Tanks 4.0.9.d	0	8.790E-05	8.790E-05	3.850E-04	Tanks 4.0.9.d

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	EU#9 (TK #400), Transmix Tank Tier 2 Renewal, Rev. #1 4/18/07				
STACK DESCRIPTION	N/A				
BUILDING DESCRIPTION	N/A				
MANUFACTURER	N/A	MODEL	Cone Roof	DATE INSTALLED OR LAST MODIFIED	1952

PROCESSING DATA					
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	ACTUAL ANNUAL RATE	UNITS
INPUT	Gasoline	65,100			gal
PRODUCT OUTPUT	Gasoline	65,100			gal
WASTE OUTPUT					
RECYCLE					

POTENTIAL HAPS IN PROCESSING STREAMS					
PS DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
Benzene	71-43-2	0-.04250	0-.04250		
Hexane	110-54-3	0-.0350	0-.0350		
Xylenes (mixed isomers)	1330-20-7	0-.1777	0-.1777		
Toluene	108-88-3	0-.2180	0-.2180		
Ethylbenzene	100-41-4	0-.02860	0-.02860		
Naphthalene	91-20-3	0-.0064	0-.0064		
Trimethylpentane (2,2,4)	540-84-1	0-.08432	0-.08432		
Isopropyl Benzene	98-82-8	0-.0025	0-.0025		

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="EU#9 (TK #400), Transmix Tank Tier 2 Renewal, Rev. #1 4/18/07"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="N/A"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1952"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Gasoline"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="3,808"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="38,080"/>
TANK TYPE	<input type="text" value="1"/>	SOURCE	<input type="text" value="5"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING;		(05) OTHER <input type="text" value="Facility sump, vacuum truck"/>	
(06) OTHER <input type="text"/>			

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text" value="N/A"/>	TANK SURFACE AREA (SQ. FT)	<input type="text" value="See Tanks 4.0.9.d"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text" value="N/A"/>	METHOD OF VAPOR RECOVERY	<input type="text" value="6"/>
		Please choose from below:	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other <input type="text"/>	

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="L"/>	NUMBER OF PUMP SEALS	<input type="text" value="1"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="0"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="11"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="1"/>	NUMBER OF FLANGES	<input type="text" value="15"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="0"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="3"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="Benzene"/>	<input type="text" value="71-43-2"/>	<input type="text" value="0-.04250"/>
<input type="text" value="Hexane"/>	<input type="text" value="110-54-3"/>	<input type="text" value="0-.0350"/>
<input type="text" value="Xylenes (mixed isomers)"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="0-.1777"/>
<input type="text" value="Toluene"/>	<input type="text" value="108-88-3"/>	<input type="text" value="0-.2180"/>
<input type="text" value="Ethylbenzene"/>	<input type="text" value="100-41-4"/>	<input type="text" value="0-.02860"/>
<input type="text" value="Naphthalene"/>	<input type="text" value="91-20-3"/>	<input type="text" value="0-.0064"/>
<input type="text" value="Trimethylpentane (2,2,4)"/>	<input type="text" value="540-84-1"/>	<input type="text" value="0-.08432"/>
<input type="text" value="Isopropyl Benzene"/>	<input type="text" value="98-82-8"/>	<input type="text" value="0-.0025"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART B

EU#9 (TK #400), Transmix Tank Tier 2 Renewal, Rev. #1 4/18/07

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	N/A
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING LENGTH (FT)	
BUILDING WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	N/A
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS		REFERENCE
					(LBS/HR)	(TONS/YR)	
PM							
PM-10							
SO ₂							
CO							
NO _x							
VOC		Tanks 4.0.9.d	0	0.06	0.06	0.28	Tanks 4.0.9.d
LEAD							
Benzene	71-43-2	Tanks 4.0.9.d	0	3.584E-04	3.584E-04	1.570E-03	Tanks 4.0.9.d
Hexane	110-54-3	Tanks 4.0.9.d	0	5.731E-04	5.731E-04	2.510E-03	Tanks 4.0.9.d
Xylenes (mixed isomers)	1330-20-7	Tanks 4.0.9.d	0	1.564E-04	1.564E-04	6.850E-04	Tanks 4.0.9.d
Toluene	108-88-3	Tanks 4.0.9.d	0	5.114E-04	5.114E-04	2.240E-03	Tanks 4.0.9.d
Ethylbenzene	100-41-4	Tanks 4.0.9.d	0	3.539E-05	3.539E-05	1.550E-04	Tanks 4.0.9.d
Naphthalene	91-20-3	Tanks 4.0.9.d	0	trivial	trivial	trivial	Tanks 4.0.9.d
Trimethylpentane (2,2,4)	540-84-1	Tanks 4.0.9.d	0	1.461E-04	1.461E-04	6.400E-04	Tanks 4.0.9.d
Isopropyl Benzene	98-82-8	Tanks 4.0.9.d	0	1.142E-06	1.142E-06	5.000E-06	Tanks 4.0.9.d

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 6: FUGITIVE EMISSIONS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: LOADING RACK DATA

PROCESS CODE OR DESCRIPTION	<input type="text" value="EU#12 , FUGITIVE EMISSIONS Tier 2 Renewal, Rev. #1 4/18/07"/>				
STACK DESCRIPTION	<input type="text" value="N/A"/>				
BUILDING DESCRIPTION	<input type="text" value="N/A"/>				
MANUFACTURER	<input type="text" value="N/A"/>	MODEL	<input type="text" value="N/A"/>	DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1952"/>
MATERIAL TRANSFERRED	<input type="text" value="Gasoline, Distillate Fuel Oil"/>				
ANNUAL THROUGHPUT (gallons)	<input type="text" value="N/A"/>				

SECTION 6, PART B

EU#12 , FUGITIVE EMISSIONS Tier 2 Renewal, Rev. #1 4/18/07

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	N/A
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING LENGTH (FT)	
BUILDING WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	N/A
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC		EPA-453/R-95-017, AP-42	0	0.21	0.21	0.92	EPA-453/R-95-017, AP-42
LEAD							
Benzene	71-43-2	EPA-453/R-95-017, AP-42	0	2.146E-03	2.146E-03	9.400E-03	EPA-453/R-95-017, AP-42
Hexane	110-54-3	EPA-453/R-95-017, AP-42	0	2.055E-03	2.055E-03	9.000E-03	EPA-453/R-95-017, AP-42
Xylenes (mixed isomers)	1330-20-7	EPA-453/R-95-017, AP-42	0	1.425E-02	1.425E-02	6.240E-02	EPA-453/R-95-017, AP-42
Toluene	108-88-3	EPA-453/R-95-017, AP-42	0	1.107E-02	1.107E-02	4.850E-02	EPA-453/R-95-017, AP-42
Ethylbenzene	100-41-4	EPA-453/R-95-017, AP-42	0	2.352E-03	2.352E-03	1.030E-02	EPA-453/R-95-017, AP-42
Naphthalene	91-20-3	EPA-453/R-95-017, AP-42	0	2.968E-04	2.968E-04	1.300E-03	EPA-453/R-95-017, AP-42
Trimethylpentane (2,2,4)	540-84-1	EPA-453/R-95-017, AP-42	0	1.712E-03	1.712E-03	7.500E-03	EPA-453/R-95-017, AP-42
Isopropyl Benzene	98-82-8	EPA-453/R-95-017, AP-42	0	2.511E-04	2.511E-04	1.100E-03	EPA-453/R-95-017, AP-42

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 6: SOIL VAPOR EXTRACTION SYSTEM EMISSIONS

DEQ USE ONLY					
DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: SVE SYSTEM DATA

PROCESS CODE OR DESCRIPTION	<input type="text" value="EU#13 , SOIL VAPOR EXTRACTION SYSTEM EMISSIONS Tier 2 Renewal, Rev. #1 4/18/07"/>				
STACK DESCRIPTION	<input type="text" value="N/A"/>				
BUILDING DESCRIPTION	<input type="text" value="N/A"/>				
MANUFACTURER	<input type="text" value="N/A"/>	MODEL	<input type="text" value="N/A"/>	DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1998"/>
MATERIAL TRANSFERRED	<input type="text" value="Hydrocarbon vapors / air"/>				
THROUGHPUT	<input type="text" value="N/A"/>				

SECTION 6, PART B

EU#13, SOIL VAPOR EXTRACTION SYSTEM Tier 2 Renewal, Rev. #1 4/18/07

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	N/A
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING LENGTH (FT)	
BUILDING WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	2710
UTM X COORDINATE (KM)	560.463
UTM Y COORDINATE (KM)	4828.63
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	5.7
STACK EXIT DIAMETER (FT)	0.25
STACK EXIT GAS FLOWRATE (ACFM)	400
STACK EXIT TEMPERATURE (DEG. F)	ambient

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS		
					(LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC			0	5.91	5.91	25.88	
LEAD							
Benzene	71-43-2		0	1.700E-01	1.700E-01	7.446E-01	
Hexane	110-54-3		0	3.613E-01	3.613E-01	1.582E+00	
Xylenes (mixed isomers)	1330-20-7		0	6.500E-02	6.500E-02	2.847E-01	
Toluene	108-88-3		0	4.658E-02	4.658E-02	2.040E-01	
Ethylbenzene	100-41-4		0	2.671E-02	2.671E-02	1.170E-01	
Naphthalene	91-20-3		0	9.132E-03	9.132E-03	4.000E-02	
Trimethylpentane (2,2,4)	540-84-1		0	1.451E+00	1.451E+00	6.353E+00	
Isopropyl Benzene	98-82-8		0	1.007E-02	1.007E-02	4.410E-02	

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

3.0 GENERAL INFORMATION FOR THE FACILITY

3.1 General Description of Facility

Sinclair Transportation Company (Sinclair) operates the Sinclair Boise Products Terminal facility which receives, stores and distributes petroleum products. The Boise Products Terminal was constructed in 1952. This facility receives petroleum products from the Chevron pipeline (which originates in Salt Lake City, Utah) and stores the petroleum products on-site in any of eight petroleum product storage tanks. There is also one transmix storage tank which is used to store off-specification product. From tankage, the petroleum products are transferred offsite for distribution via pipeline.

3.2 Location of Facility

The Boise Products Terminal is located at 712 North Curtis in Boise, Idaho as shown in Figure 3-1 site location. A plot plan of the facility showing the Tier 2 emission sources is provided in Figure 3-2.

3.3 Description of Product Flow

This section describes the flow of petroleum products through the terminal. Petroleum products enter the facility from pipeline and are directed to the tank farm for storage. The tank farm consists of five gasoline storage tanks, three distillate oil storage tanks and a transmix storage tank. The five gasoline storage tanks are external floating roof type and may be used to store any grade of gasoline (ie. regular unleaded, premium unleaded, etc.) as well as lower vapor pressure petroleum products. The three distillate oil storage tanks are fixed roof type and may be used to store any grade of distillate fuel oil (ie. #2 fuel oil, #1 fuel oil, etc.). The transmix storage tank is fixed roof type and is used to store any grade of gasoline as well as lower vapor pressure petroleum products.

Petroleum products are transferred via pipeline from the Sinclair Boise Products Terminal to the Northwest Terminalling Company - Boise Terminal for storage or distribution at their facility. The Northwest Terminal Company - Boise Terminal is located south of the Boise Products Terminal at 201 North Phillippi Street in Boise, Idaho.

The contents of the transmix tank are loaded directly into a tank truck. Water draws from the product tanks are also loaded directly into tank trucks. These activities involve the transfer of small quantities of slop oil and/or tank bottom water and occur very infrequently. Because these operations are not considered part of the "normal" product movements for

Figure 3-1 Site Location

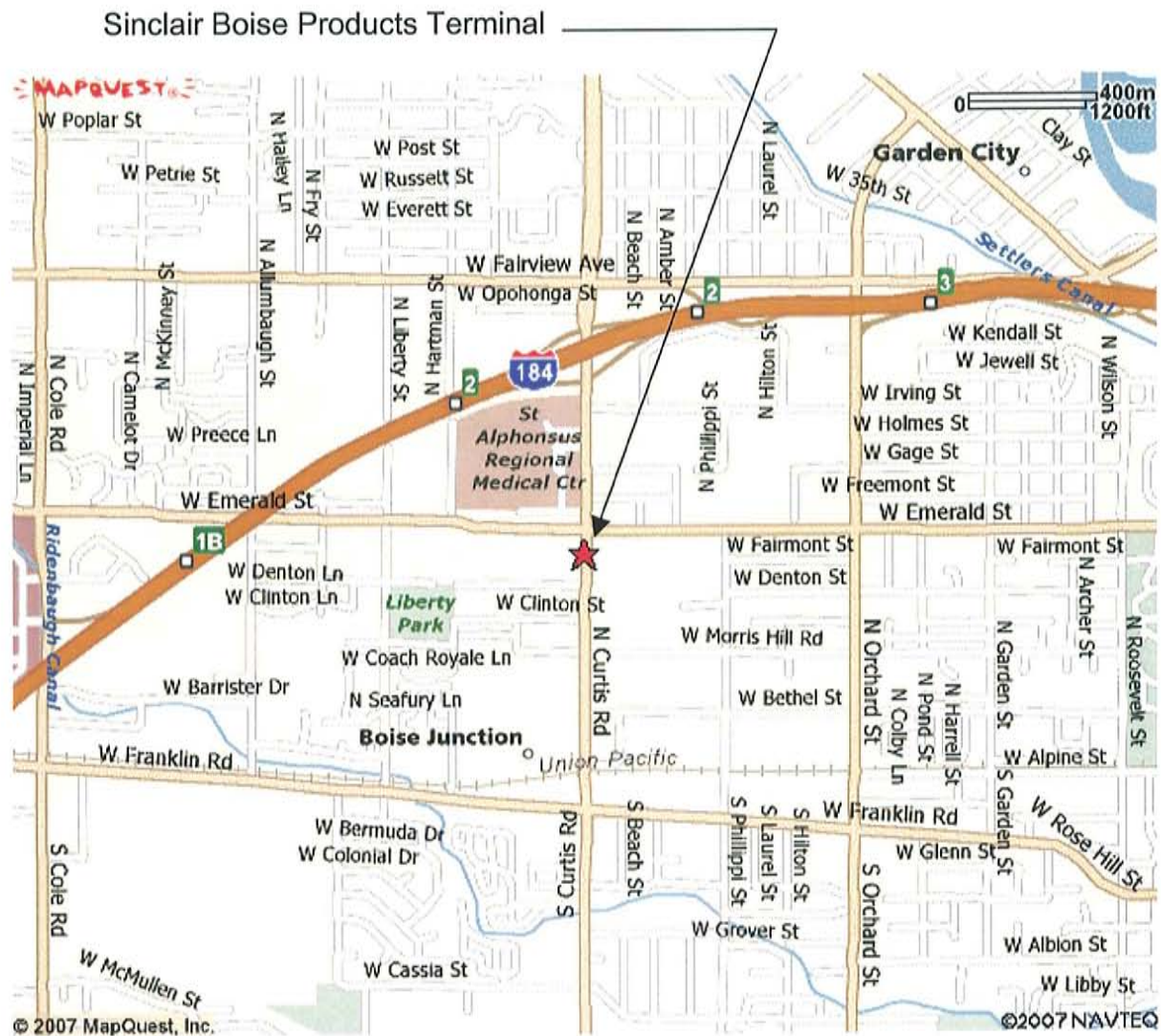


Figure 3-2 Plot Plan

EMERALD STREET

N. CURTIS

MORRIS HILL

LOADING

RACK

OFFICE

GEM

421

401

411

431

403

404

402

405

400

the facility and emissions from these operations are small, these activities are considered insignificant (see section 6.2.4).

3.4 Soil Vapor Extraction System

The Soil Vapor Extraction (SVE) system was installed to remove hydrocarbons from contaminated soil at various locations by the facility. The SVE system is currently not in operation. However, Sinclair is including the SVE system in this permit application renewal in the event the SVE system is required to become operational again.